

FORM- 1

**“SAND, BAJRI AND BOULDERS MINING”
AT
VILLAGE- BAIT KHEDI (BENTKHERI), TEHSIL- BAZPUR,
DISTRICT- UDHAM SINGH NAGAR, ,
STATE- UTTRAKHAND
(AREA- 1.849 HA)**

Submitted by:

**SMT. SUKHWANT KAUR
WS/O SHRI SUKHDEV SINGH
R/O-VIKRAMPUR, TEHSIL-BAZPUR, KASHIPUR,
DISTRICT-UDHAM SINGH NAGAR, U.K.**

Prepared by

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LIMITED**

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Certificate No. NABET/EIA/1619/IA006, Valid Till: Jan31,2019*

FORM- 1

Basic Information

S. No.	Item	Details															
1.	Name of the project/s	Bait Khedi (Bentkheri) Sand, Bajri and Boulders Mine															
2.	S. No. in the schedule	1(a) i															
3.	Proposed capacity/area/length/tonnage to be handled / command and area/lease area/number of wells to be drilled.	Area: 1.849 Ha 27735 Cum/year OR 61017 TPA															
4.	New / Expansion / Modernization	New Mine															
5.	Existing Capacity / Area etc.	Nil															
6.	Category of Project i.e. 'A' or 'B'	Category B(2)															
7.	Does it attract the general condition? If yes, please specify	No, It does not attract general condition															
8.	Does it attract the specific condition? If yes, please specify	No, It does not attract specific condition as the project comes under Category "B2" as per SO_147(E) Amended January 15, 2016.															
9.	Location	GPS Co-ordinates of the Project Site: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Khasra no.</th> <th>Latitude (N)</th> <th>Longitude (E)</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>29° 16' 05.267"</td> <td>79° 7' 40.474"</td> </tr> <tr> <td>B</td> <td>29° 16' 11.979"</td> <td>79° 7' 43.637"</td> </tr> <tr> <td>C</td> <td>29° 16' 12.415"</td> <td>79° 7' 41.169"</td> </tr> <tr> <td>D</td> <td>29° 16' 6.450"</td> <td>79° 7' 36.874"</td> </tr> </tbody> </table>	Khasra no.	Latitude (N)	Longitude (E)	A	29° 16' 05.267"	79° 7' 40.474"	B	29° 16' 11.979"	79° 7' 43.637"	C	29° 16' 12.415"	79° 7' 41.169"	D	29° 16' 6.450"	79° 7' 36.874"
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	Plot / Survey / Khasra No.	03/2															
	Village	Bait Khedi (Bentkheri)															
	Tehsil	Bazpur															
	District	Udham Singh Nagar															
	State	Uttrakhand															
10.	Nearest railway station / airport along with distance in km.	Railway Station: Peerumadara Railway Station -9.91 Km NW Airport: Pantnagar Airport-41.88 Km, SE															
11.	Nearest Town, city, District Headquarters along with distance in km.	Nearest District Headquarter & Town Rudrapur-41.59 km, SE															
12.	Village Panchayats, ZillaParishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	GramPanchayat- Bait Khedi (Bentkheri) ZilaPanchayat –Udham Singh Nagar															
13.	Name of the applicant	Smt. Sukhwant Kaur															
14.	Registered Address	W/o-Shri Sukhdev Singh, R/o-Vikrampur, Bazpur, Kashipur, District-Udham Singh Nagar (U.K.)															
15.	Address for correspondence :																

S. No.	Item	Details
	Name	Smt. Sukhwant Kaur
	Designation (Owner / Partner / CEO)	Owner
	Address	W/o-Shri Sukhdev Singh, R/o-Vikrampur, Bazpur, Kashipur, District-Udham Singh Nagar (U.K.)
	Pin Code	262401
	E-mail	-
	Telephone No.	-
	Fax No.	None
16.	Details of alternative sites examined, if any. Location of these sites should be shown on a toposheet	It is a site specific activity. No alternative sites were examined.
17.	Interlinked Projects	No
18.	Whether separate application of interlinked project has been submitted?	No
19.	If yes, date of submission	Not Applicable
20.	If no, reason	Excavated mineral has ready market.
21.	Whether the proposal involves approval/ clearance under: if yes, details of the same and their status to be given. (a) The Forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972? (c) The C.R.Z Notification, 1991?	No Not Applicable Not Applicable Not Applicable
22.	Whether there is any Government Order / Policy relevant / relating to the site?	Not applicable
23.	Forest land involved (hectares)	The Project site is free from Forest Land
24.	Whether there is any litigation pending against the project and / or land in which the project is propose to be set up? (a) Name of the Court (b) Case No. (c) Orders/directions of the Court, if any and its relevance with the proposed project.	No Not Applicable Not Applicable Not Applicable

Activity

1.0 Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data.
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan).	Yes	No major change anticipated. The present land-use of the applied area is Waste land. The land-use of the applied lease area will changed temporarily during mining. After completion land-use will remain Waste land. Mining will be restricted to the allotted area upto a

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data.
			depth of 1.5m. Mineral excavated during mining will be replenished every year during monsoon.
1.2	Clearance of existing land, vegetation and buildings?	No	Not Applicable
1.3	Creation of new land uses?	No	No pre-construction activity has been done or proposed. The lease area will continue to be Barren land.
1.4	Pre-construction investigations e.g. bore holes, soil testing?	No	None
1.5	Construction works?	No	None
1.6	Demolition works?	No	None
1.7	Temporary sites used for construction works or housing of construction workers	No	None
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations.	Yes	Mining/excavation of Sand, Bajri and Boulders will be done according to approved mine plan. The works mainly involve collection of Sand, Bajri and Boulders .
1.9	Underground works including mining or tunneling?	No	None
1.10	Reclamation works?	No	None
1.11	Dredging?	No	Not applicable
1.12	Offshore structures?	No	Not applicable
1.13	Production and manufacturing processes?	No	Total production of 27735 Cum/annum (61017 TPA) Sand, Bajri and Boulders is proposed for mining. The project does not involve any manufacturing process
1.14	Facilities for storage of goods or materials?	No	Extracted Material will be temporarily stored near the mining faces and dispatched to the buyers directly from the mine.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	No solid or liquid waste will be generated.
1.16	Facilities for long term housing of operational workers?	No	Laborers from nearby areas will be hired hence no need of housing. Temporary site office and rest shelters will be made.
1.17	New road, rail or sea traffic during construction or operation?	No	No new rail, road is expected during construction & operation, the existing roads & infrastructure is sufficient for the process.

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	The existing road facility is adequate for meeting additional traffic intensity during operational phase of mine.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	No closure or diversion of existing transport routes or infrastructure will take place.
1.20	New or diverted transmission lines or pipelines?	No	As there will be no large scale electricity or water requirement for the project, therefore no transmission lines or pipelines are involved.
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	As such there will be no impounding or damming throughout the year excepting monsoon when rain water will be collected in the excavated pits. Water so accumulated water will contribute to base flow.
1.22	Stream crossings?	No	No stream crossing through the site. Neither any surface drain nor any water course (minor) passes through the mine area.
1.23	Abstraction or transfers of water form ground or surface waters?	No	No abstraction of natural flow of water in the form of ground or surface water in the lease area. Working will be done above water table. The mining operations do not require water, except watering the planted areas and for the workforce employed at the mine site. For these purpose approximately 5.05 KL water/ day will be consumed at the area. Water requirement of 5.05 KLD will be met from tanker supply. Potable tankers will be the source of the water.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	No changes in the water bodies, drainage or runoff are anticipated.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	During operational phase, labor/ personnel shall arrange for their own means of transport either on foot or by bicycle etc. to reach to the mine site. However excavated mineral during operational phase of mine shall be transported by wooden cart/Tractor trolleys hired on contractual basis.
1.26	Long-term dismantling or decommissioning or restoration works?	No	Long-term dismantling or decommissioning or restoration works are not involved.

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data.
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	Not Applicable.
1.28	Influx of people to an area in either temporarily or permanently?	No	No temporary or permanent influx of people is envisaged. The quarrying will be carried out during day time by deploying local workers, who will commute from their home.
1.29	Introduction of alien species?	No	Only locally thriving species will be planted.
1.30	Loss of native species or genetic diversity?	No	No such loss is anticipated, as the mining area is Barren land practically devoid of any vegetation.
1.31	Any other actions?	No	Not Applicable

2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

S. No.	Information/checklist Confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	No	Mining is proposed in agricultural land.
2.2	Water (expected source & competing users) unit: KLD	Yes	Total approx 5.05 KLD of water shall be required for drinking purpose, green belt development and dust suppression and daily visiting workers. The water requirement shall be met through Tanker Supply.
2.3	Minerals (MT)	No	As this is Sand, Bajri and Boulders mining project, so no other specific minerals are used in it.
2.4	Construction material – stone, aggregates, Gitti / soil (expected source – MT)	No	No construction material is required for this project. Only temporary office, rest shelter will be provided.
2.5	Forests and timber (source – MT)	No	Not Applicable
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	No	It is opencast manual mining. Mining operations shall be carried out during day time in single shift only. There is no need of electricity & fuels.
2.7	Any other natural resources (use appropriate standard units)	No	No other natural resources will be used.

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	No such hazardous substances will be utilized in the mining process. Waste generation is nil. Periodically health check-up shall be carried out to the workers engaged for mining activities.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Waste generation is nil and Suitable drainages management measures will be adopted. This will restrict stagnation of water or accumulation of water. Periodically health check-up shall be carried out to the workers engaged for mining activities No change in occurrence of disease, due to proposed mining project.
3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	Mining is proposed in barren land. Therefore, it is expected that due to this activity benefits will be more than the losses. Project will have a positive effect on the welfare of local people by providing direct and indirect employment opportunity.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.	No	As human settlement is not coming under the mine lease area so no vulnerable groups of people will be directly affected by this project. No hospital, school exists nearby the mine lease area.
3.5	Any other causes	Yes	Mining Operations mainly contribute to generation of dust i.e. fugitive dust emission. Sufficient measures have been included in Environment Management Plan to mitigate the adverse effect.

4.0 Production of solid wastes during construction or operation or decommissioning (MT/month)

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
4.1	Soil, overburden or mine wastes	No	No waste will be generated during the mining process. The entire material can be used.

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
4.2	Municipal waste (domestic and or commercial wastes)	Yes	Domestic and municipal waste, generated by the employees in the rest room, will be collected in bins and utilized for composting.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	Not Applicable
4.4	Other industrial process wastes	No	Not Applicable
4.5	Surplus product	No	No surplus product will be produced as excavation shall be done as per the demand and will be directly sent to destined places.
4.6	Sewage sludge or other sludge from effluent treatment	No	Not Applicable
4.7	Construction or demolition wastes	No	Not Applicable
4.8	Redundant machinery or equipment	Yes	Not Applicable. All machinery will be on hire basis.
4.9	Contaminated soils or other materials	No	No contaminated soil or other materials are envisaged.
4.10	Agricultural wastes	No	Not Applicable
4.11	Other solid wastes	No	No other solid waste will be generated

5.0 Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Emissions from transport vehicles are anticipated during operation of the quarry. Emission will be minimized by using only PUC certified & Bharat IV stage vehicles in the mining lease area.
5.2	Emissions from production processes	Yes	Some dust will be generated during excavation of mineral which will be temporary in nature & for a short duration. It will be controlled by sprinkling of water at regular interval of time.
5.3	Emissions from materials handling including storage or transport	Yes	Regular water sprinkling shall be done to minimize dust emission likely to be generated from movement of vehicles and mining activities. As activity is very small and production from mine is very limited, insignificant fugitive dust will be generated during loading and transportation of mine

Project: Sand, Bajri and Boulders Mine

Proponent: Smt. Sukhwant Kaur

Area: 1.849 Ha

Village: Bait Khedi (Bentkheri) Tehsil: Bazpur

District: Udham Singh Nagar, State: Uttrakhand

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S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data
			products.
5.4	Emissions from construction activities including plant and equipment	No	No construction activity is envisaged. Hence, no emissions are anticipated.
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	No	Water sprinkling will be done wherever necessary so that the impact on the environment will be minimal. Handling of construction materials, sewage and waste is not envisaged.
5.6	Emissions from incineration of waste	No	No incineration will be done.
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	No such activity will take place.
5.8	Emissions from any other sources	No	None

6.0 Generation of Noise and Vibration, and Emissions of Light and Heat

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	Noise will be generated during mining Operation which will be negligible to the surroundings. All the equipment's will be regularly maintained to keep noise level within the prescribed limit.
6.2	From industrial or similar processes	No	No industrial process is involved at mine lease area.
6.3	From construction or demolition	No	No construction or demolition is proposed.
6.4	From blasting or piling	No	Blasting or piling is not proposed.
6.5	From construction or operational traffic	Yes	Transport of mineral will generate noise.
6.6	From lighting or cooling systems	No	No lighting or cooling systems are involved.
6.7	From any other sources	No	Not Applicable

7.0 Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities/ rates, wherever possible) with source of information data.
7.1	From handling, storage, use or spillage of hazardous materials	No	There will be no handling, storage, use or spillage of hazardous materials
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge).	No	No effluent will be generated.
7.3	By deposition of pollutants emitted to air into the land or into water	No	Water sprinkling will be done and proper plantation shall be maintained to minimize the environmental impact. Fugitive dust may get deposited into surrounding area which will have negligible impact.
7.4	From any other sources	No	None
7.5	Is there a risk of long term buildup of pollutants in the environment from these sources?	No	Emission of particulate matter will be controlled through water spray at regular intervals. Therefore, long-term buildup of Pollutants is not a problem.

8.0 Risk of accidents during construction or operation of the Project, which could affect human health or the environment

S. No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc. from storage, handling, use or production of hazardous substances	No	No explosive, hazardous substances are proposed to be used during mining. No Drilling and Blasting activities are proposed. However, all appropriate measures will be taken as described in approved mining plan and environment management plan (prescribed in MMR 1961) during operations.
8.2	From any other causes	Yes	Risk of accidents expected: 1. During loading of minerals into wooden cart/Tractor-trolley. 2. During transportation. Accidents can be avoided by taking good safety practices. First aid facilities will be provided the site.
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	Yes	Possibility of earthquake as the area falls in Seismic Zone-IV (High damage risk zone). Although complete precautions will be taken during the project activity to suppress the chances of any accident.

9.0 Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality.

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
9.1	Leads to development of supporting Utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.:	No	There will be no development of supporting utilities, ancillary development or development stimulated by the project which could affect the environment.
	• Supporting infrastructure (roads, power supply, waste or waste water treatment etc.)	No	Not Applicable
	• Housing development	No	Not Applicable
	• Extractive industries	No	Not Applicable
	• Supply industries	No	Not Applicable
9.2	Lead to after-use of the site, which could have an impact on the environment.	No	No such impact is envisaged

S. No.	Information/Checklist Confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
9.3	Set a precedent for later developments.	No	A better after use scenario, which is likely to increase aesthetic beauty of the area by plantation along the approach road and around the lease area.
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects.	No	There may be cumulative positive impact due to proximity to other existing or planned projects with similar effects.

Environmental Sensitivity:

S. No.	Areas	Name/Identity	Aerial distance (within 15 Km) Proposed project location boundary
1.	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value.	None	None
2.	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests.	Water Bodies Koshi River Dabka River Haripura Dam Gulerbhoj Forest Jalaban Gaibua	-1.77 Km W Adjacent 18.53 Km SE 0.49 Km NW 0.24 Km SE
3.	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration.	None	None
4.	Inland, coastal, marine or underground waters.	None	None
5.	State, National boundaries.	Uttar Pradesh State Boundary	16.17 Km S
6.	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas.	Road: NH-121 (Kashipur-Ramnagar Road) NH-74 (Kashipur-Kailkhera road) Village road Bait Khedi (Bentkheri) Railway Station: Peerumadara Railway Station	9.81 Km NW 13.74 Km SW Adjacent (0.55 Km E) 9.91 Km NW

S. No.	Areas	Name/Identity	Aerial distance (within 15 Km) Proposed project location boundary
7.	Defense installations.	None	None
8.	Densely populated or built-up area.	Bait Khedi (Bentkheri) Itauwa Gobra Bannakhera Bazpur	1.15 Km E 1.47Km S 1.40 Km SW 3.50 KM SE 12.04 Km S
9.	Areas occupied by sensitive man-made land uses (<i>hospitals, schools, places of worship, community facilities</i>).	Education – Primary School at Bait Khedi (Bentkheri) Hospital– At Bazpur Worship- Temple at Bait Khedi (Bentkheri) Gurudwara at Ituwa Post Office- At Bannakhera	1.15 Km E 12.04 Km S 1.15 Km E 1.47 Km S 3.50 Km SE
10.	Areas containing important, high quality or scarce resources.(<i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i>)	No	None
11.	Areas already subjected to pollution or environmental damage. (<i>those where existing legal environmental standards are exceeded</i>)	No	None
12.	Areas susceptible to natural hazard which could cause the project to present environmental problems(<i>earthquakes, subsidence, landslides, erosion, flooding or extreme adverse climatic conditions</i>)	The lease area falls under Seismic Zone-IV (high damage risk zone), which indicates high possibility of earthquake.	

(IV) Proposed Terms of Reference for EIA studies: Not Applicable

UNDERTAKING

I hereby given undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance give, if any to the project will be revoked at our risk and cost.

Date: _____

Place: _____

Signature of the applicant

[SUKHWANT KAUR]
W/o-Shri Sukhdev Singh,
R/o-Vikrampur, Bazpur, Kashipur,
District-Udham Singh Nagar
(U.K.)

Note:

1. The projects involving clearance under coastal Regulation zone Notification, 1991 shall submit with the application a C.R.Z map duly demarcated by one of the authorized agencies, showing project activities, w.r.t. C.R.Z (at the stage of TOR) and the recommendations of the State coastal zone Management Authority (at the stage of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z. Notification, 1991 for the activities to be located in the CRZ.
2. The projects to be located within 10 km of the National parks, sanctuaries, Biosphere Reserves, Migratory corridors of wild Animals, the project proponent shall submit the map duly authenticated by chief wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon (at the stage of EC).
3. All correspondence with the Ministry of Environment & Forests including submission of application for TOR/Environmental Clearance, subsequent clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponent shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being an authorized signatory for the specific project.